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107: 59488w Process for the preparation of N-acetyl-3-[2-(acetyloxy)benzoylthio]alanine. Castellet, Isidro Linan (Farmhispania S. A.) Span. ES 549,540 (Cl. C07C149/273), 01 Sep 1986, Appl. 03 Dec 1985; 17 pp. L-2-AcOC₆H₄COSCH(NHAc)CO₂H (I), useful as a mucolytic, antipyretic, analgesic, and antiinflammatory, is prepd. by acylation of N-acetylcysteine (II) with Z-AcOC₆H₄COX (X = halo) in a polar aprotic solvent contg. an acid acceptor. Thus, 2-AcOC₆H₄COCl was added to a soln. of II and Et₃N in THF at 25-28° to give 93% I. I had a LD₅₀ of 4200 mg/kg o.p. in rats, and was more potent than aspirin (both orally and rectally) against carrageenin-induced edema in rats.